Listing of Claims in the Application

- 17(Currently amended). A process for synthesizing an aluminum-silicon-germanium-platinum zeolite catalyst comprising:
- a) preparing a zeolite containing aluminum, silicon and germanium;
- b) depositing a metal consisting essentially of platinum on the zeolite; and
- c) calcining the zeolite to form a catalyst; and
- d) treating the catalyst first with hydrogen, second with a sulfur compound; and then again with hydrogen.
- 18(Original). The process of claim 17 wherein the platinum is deposited by cationic exchange.
- 19(Original). The process of claim 17 wherein the platinum is deposited by impregnation.
- 20(Original). The process of claim 17 wherein the zeolite has an MFI, FAU, TON, MFL, VPI, MEL, AEL, AFI, MWW or MOR structure.
- 21 (Canceled).
- 22 (Currently amended). An aluminum-silicon-germanium-platinum zeolite catalyst for aromatization of hydrocarbons comprising:
- a) a microporous aluminum-silicon-germanium zeolite; and

- b) <u>a metal consisting essentially of platinum deposited on the microporous aluminum-silicon-germanium-platinum</u> zeolite; and
- c) a sulfur compound.
- 23(Original). The catalyst of claim 22 wherein the silicon-germanium to aluminum atomic ratio is greater than 25:1.
- 24(Original). The catalyst of claim 22 wherein the silicon-germanium to aluminum atomic ratio in the range of from 45:1 to 250:1.
- 25(Original). The catalyst of claim 22 wherein the silicon-germanium to aluminum atomic ratio in the range of from 50:1 to 100:1.
- 26(Original). The catalyst of claim 22 wherein the silica to germania ratio is in the range of from 100:1 to 9:1.
- 27(Original). The catalyst of claim 22 wherein the silica to germania ratio is in the range of from 50:1 to 10:1.
- 28(Original). The catalyst of claim 22 wherein the silica to germania ratio is in the range of from 25:1 to 11:1.

29(Original). The catalyst of claim 22 wherein platinum is present in the range of from 0.05% to 3%.

30(Original). The catalyst of claim 22 wherein platinum is present in the range of from 0.2% to 2%.

31(Original). The catalyst of claim 22 wherein platinum is present in the range of from 0.2% to 1.5%.

32(Original). The catalyst of claim 22 wherein the pore size of the zeolite is in the range from 5 to 100 angstroms.

33(Original). The catalyst of claim 32 wherein the pore size of the zeolite is in the range from 5 to 50 angstroms.

34(Original). The catalyst of claim 33 wherein the pore size of the zeolite is in the range from 5 to 20 angstroms.

35(Original). The catalyst of claim 22 wherein the zeolite has a MFI, FAU, TON, MFL, VPI, MEL, AEL, AFI, MWW or MOR structure.

36 (Canceled).

37(Currently amended). The catalyst of claim $\frac{3622}{2}$ wherein the sulfur compound is H_2S , $C_nH_{2n+2}S$ where n=1-20, $C_nH_{2n+1}S_2$ where n=2-22 or $C_nH_{2n+1}S$ where n=2-22.

- 38 (Canceled).
- 39 (Canceled).
- 40 (Canceled).
- 41 (Canceled).
- 42 (Canceled).
- 43(Original). The catalyst of claim 22 wherein the catalyst is of the formula $|H^+Pt| [Si_{91}Ge_4Al_1O_{192}] MFI.$
- 44(Original). The catalyst of claim 22 wherein its X-ray diffraction pattern includes the values given in Table 5 of this specification.

- 45(Original). A process for pretreating a catalyst for aromatization of hydrocarbons comprising:
- a) selecting an aluminum-silicon-germanium zeolite on which platinum has been deposited;
- b) treating the zeolite with hydrogen;
- d) treating the zeolite with a sulfur compound; and
- e) treating the zeolite a second time with hydrogen.
- 46(Original). The process of claim 45 wherein the zeolite is bonded with amorphous alumina prior to the first treatment step.
- 47(Original). The process of claim 45 wherein the sulfur compound is H_2S , $C_nH_{2n+2}S$ where n=120, $C_nH_{2n+1}S_2$ where n=2-22 or $C_nH_{2n+1}S$ where n=2-22.